## Rec'd PETYPTO 14 MAR 2005

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 25 March 2004 (25.03.2004)

(10) International Publication Number WO 2004/024177 A1

- (51) International Patent Classification7: A61P 3/04
- A61K 38/01.
- (21) International Application Number:

PCT/NL2003/000641

(22) International Filing Date:

16 September 2003 (16.09.2003)

(25) Filing Language:

**English** 

(26) Publication Language:

**English** 

(30) Priority Data: 02078811.3

16 September 2002 (16.09.2002)

- (71) Applicant (for all designated States except US): QUEST INTERNATIONAL NEDERLAND B.V. [NL/NL]; Huizerstraatweg 28, NL-1411 GP Naarden (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SIEMENSMA, Andries [NL/NL]; Harstastate 21, NL-8926 Le Leeuwarden (NL). KUNST, Anthonie [NL/NL]; Weegbree 41, NL-1273 AN Huizen (NL). HAKKAART, Marcellinus [NL/NL]; Surinamelaan 18, NL-1213 VN Hilversum (NL).
- (74) Agent: VAN WESTENBRUGGE, Andries et al.; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hauge (NL).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR. TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF TREATING OR PREVENTING OBEISITY AND LIPID METABOLISM DISORDERS AND COMPO-SITIONS FOR USE THEREIN

(57) Abstract: The present invention provides a method of preventing or treating human obesity, said method comprising ingesting a composition containing, calculated on dry matter: 10-100 wt.% protein hydrolysate; 0-90 wt.% intact protein; 0-50 wt.% carbohydrate; and wherein hydrolysed protein and intact protein together are present in a concentration (w/w) that exceeds the carbohydrate concentration (w/w). The invention also encompasses the use of the same composition in a method of preventing or treating lipid metabolism disorders and in a method for improving body appearance. Other aspects of the invention relate to nutritional beverages, snacks and soups that can advantageously be employed in accordance with the aforementioned methods.